

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Tooru OOIWA

Group Art Unit: 2834

Application No.: 09/972,928

Examiner: B. Mullins

Filed: October 10, 2001

Docket No.: 110814

For: ALTERNATOR

AMENDMENT UNDER 37 C.F.R. §1.111

Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

In reply to the November 4, 2002 Office Action and the personal interview conducted on January 29, 2003, please amend the above-identified application as follows:

IN THE SPECIFICATION:

Page 4, line 27-page 5, line 18, delete current paragraph and insert therefor:

The above mentioned rotor has a pair of rotor cores including claw portions generating N/S poles and a boss portion comprising the field winding. The pair of cores are arranged oppositely to each other at an end surface of the boss portion to form a Roundel-type core. The magnetic coating is applied to at least one of the outer peripheral surfaces of the claw portions, the end surface of the boss portion, and an inner peripheral surface of the stator core. In the rotary electric machine having the Roundel-type core, the claw portions are deformed by receiving centrifugal force during rotation. Therefore, it is necessary to secure the air gap more than in other rotary electric machines. However, in the rotary electric machine of the present invention, the magnetic coating is formed on the surface of the cores which face the air gap. Therefore, in case the magnetic coating makes contact with each

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